



Intelligent Information Agents for Web Economies

Summary

TF1: Rome, June/July 2004



Objectives

Background:

- set out from the results obtained by the AgentLinkII SIG on Intelligent Information Agents (IIA)
 - melting together multi-agent and information systems technologies
 - apply techniques from Artificial Intelligence, Database Systems and Information Retrieval

Objectives:

- discuss recent achievements in IS, MAS, and ECOM
- discuss strategies to promote the take-up of results by industry


Focus:

- information access and integration
- web ontologies
- mobile information systems

Activities



Presentations:

- Nuno Silva (Technical Institute of Porto)
 - Ontology mapping based on multidimensional services
 - Beatriz López (University of Girona)
 - Information Integration in Recommender Systems
 - Vadim Ermolayev (Cadence Design Systems, Munich;
Zaporozhye State University, Ukraine)
 - Distributed Information Retrieval for Web Economies
 - Sonia Bergamaschi (University of Modena and Reggio Emilia)
 - Architecture of search engines for heterogeneous data sources on the Web
 - Stefano Lodi (University of Bologna)
 - Challenges for Distributed Data Mining
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Conclusions



Results:

- Plentiful discussions on the topics of the talks
 - Main *problems*:
 - Access to and coordination of *heterogeneous* and *autonomous* data sources
 - *Semantic* integration of data and knowledge
 - Main *challenges*:
 - *Negotiation* models and mechanisms
 - *Trust, Reputation & Security*
 - Application focus: realistic evaluation of models and techniques
 - Cooperation, projects, TFG meetings
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